This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended):

A fluorophosphate glass formed from a composition

comprising on a mol basis:

a metaphosphate, Ba(PO3) Ba(PO3)2, from 10 to 60 percent;

a metaphosphate, AI(PO3)3AI(PO3)3, from 10 to 60 percent;

a fluoride, BaF2BaF2, from 10 to 75 percent; and

a rare earth dopant.

Claim 2 (currently amended):

A fluorophosphates glass formed from a composition

comprising on a mol basis:

a metaphosphate, Ba(PO3)2Ba(PO3)2, from 10 to 60 percent;

a metaphosphate, AI(PO3)3AI(PO3)3, from 10 to 60 percent;

a fluoride, RFnRFx, from 10 to 75 percent, selected from the group of:

 BaF_2 , CaF_2 , MgF_2 , PbF_2 and BiF_3 ; and

a dopant.

Claim 3 (canceled)

Claim 4 (original): The glass as in claim 2 wherein the dopant is selected from the group of:

the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb),

holmium (Ho), praseodymium (Pr); an oxide of manganese (Mn); and mixtures thereof.

Claim 5 (original): The glass as in claim 4 wherein the dopant is selected from the oxides of

the rare earth elements.

Calim 6 (original): The glass as in claim 4 wherein the dopant on a mol percent basis is 2 to

15 percent.

Claim 7 (original): The glass as in claim 4 wherein the dopant is selected from the fluorides of the rare earth elements.

Claim 8 (currently amended): A fluorophosphate glass formed from a composition comprising on a mol basis:

a metaphosphate, Ba(PO3)2Ba(PO3)2, from 10 to 60 percent;

a metaphosphate, AI(PO3)3AI(PO3)3, from 10 to 60 percent;

a fluoride, BaF2BaF2, from 10 to 75 percent; and

a dopant, from 2 to 15 percent, selected from the group of:

the oxides of the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb), holmium (Ho), praseodymium (Pr);

an oxide of manganese (Mn) and mixtures thereof.

Claim 9 (currently amended): A fluorophosphate glass formed from a composition comprising on a mol basis:

a metaphosphate, Ba(PO3)2Ba(PO3)2, from 0 to 100 percent;

a metaphosphate, AI(PO3)3AI(PO3)3, from 0 to 100 percent;

a fluoride, BaF2BaF2, from 5 FOto 30 percent; and

a dopant, from 2 to 15 percent, selected from the group of:

the oxides of the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb), holmium (Ho), praseodymium (Pr);

an oxide of manganese (Mn); and mixtures thereof.

Claim 10 (currently amended): A fluorophosphate glass formed from a composition comprising on a mol basis:

a metaphosphate, $Ba(PO3)2Ba(PO_3)_2$, from 0 to 45 percent;

a metaphosphate, AI(PO3)3AI(PO3)3, from 5 to 30 percent;

a fluoride, BaF2BaF2, from 45 to 75 percent; and

a dopant, from 2 to 15 percent, selected from the group of: the oxides of the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb), holmium (Ho), praseodymium (Pr); an oxide of manganese (Mn); and mixtures thereof. Claim 11 (currently amended): Alfluorophosphate glass formed from a composition comprising on a mol basis: a metaphosphate, $Ba(PO_3)_2Ba(PO_3)_2$, approximately 10 percent; a metaphosphate, AI(PO3)3AI(PO3)3, approximately 18 percent; a fluoride, BaF2BaF2, approximately 70 percent; and a dopant, approximately 2 percent: of the oxide of neodymium (Nd). A fluorophosphate glass formed from a composition Claim 12 (currently amended): comprising on a mol basis: a metaphosphate, \$\frac{\bar{\text{Ba}(PO3)2}}{\text{Ba}(PO_3)2}\$, approximately 10 percent; a metaphosphate, AI(PO3)3AI(PO3)3, approximately 18 percent; a fluoride, BaF2BaF2, approximately 70 percent; and a dopant, approximately 2 percent: of the oxide of erbium (Er).-Claim 13 (withdrawn) Claim 14 (withdrawn) Claim 15 (withdrawn) Claim 16 (currently amended): A fluorophosphate glass formed from a composition comprising on a mol basis: a metaphosphate, $Ba(PO/3)2Ba(PO_3)_2$, from 10 to 60 percent; a metaphosphate, $AI(PØ3)3AI(PO_3)_3$, from 10 to 60 percent;

a fluoride, BaF2BaF/+ RFx, from 10 to 90 percent; and a dopant.

Claim 17 (currently amended):

The glass as in claim 16 wherein the fluoride RFx is one of

the group of:

CaF2CaF2, MgF2MgF2, PbF2PbF2 and BiF3BiF3.

Claim 18 (original): The glass as in claim 16 wherein the dopant is selected from the group of:

the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb), holmium (Ho), samarium (Sm), europium (Eu), praseodymium (Pr); an oxide of manganese (Mn); and mixtures thereof.

Claim 19 (original): The glass as in claim 18 wherein the dopant is selected from the oxides of the rare earth elements.

Claim 20 (original): The glass as in claim 18 wherein the dopant on a mol percent basis is 2 to 15 percent.

Claim 21 (original): The glass as in claim 18 wherein the dopant is selected from the fluorides of the rare earth elements.

Claim 22 (currently amended): A fl

A fluorophosphate glass formed from a composition

comprising on a mol basis:

a metaphosphate, Ba(PO3)2Ba(PO3)2, from 5 to 60 percent;

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a metaphosphate, AI(PO3)3AI(PO1)3, from 5 to 60 percent;

a fluoride, BaF2BaF2 + RFx wherein RFx is selected from the group of CaF2CaF2,

MgF2MgF2, PbF2PbF2 and BiF3BiF3, from 10 to 90 percent; and

a dopant, from 2 to 20 percent, selected from the group of:

the oxides of the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb), holmium (Ho), praseodymium (Pr), samarium (Sm), europium (Eu); an oxide of manganese (Mn); and mixtures thereof.

Claim 23 (currently amended): A fluorophosphate glass formed from a composition comprising on a mol basis: a metaphosphate, Ba(PO\$)2Ba(PO3)2, from 0 to 100 percent; a metaphosphate, AI(PO3)3AI(PO3)3, from 0 to 100 percent; a fluoride, BaF2BaF2 + RFx wherein RFx is selected from the group of CaF2CaF2, MgF2MgF2, PbF2PbF2 and BiF3BiF3, from 5 to 90 percent; and a dopant, from 2 to 20 percent, selected from the group of: the oxides of the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium Tm), terbium (Tb), holmium (Ho), praseodymium (Pr), samarium (Sm), europium (Eu); an oxide of manganese (Mn); and mixtures thereof. A fluorophosphate glass formed from a composition Claim 24 (currently amended): comprising on a mol basis: a metaphosphate, $Ba(PQ3)2Ba(PO_3)_2$, from 0 to 45 percent; a metaphosphate, $AI(PO_3)_3AI(PO_3)_3$, from 5 to 30 percent; a fluoride, BaF2BaF2 + RFx wherein RFx is selected from the group of CaF2CaF2, MgF2MgF2, PbF2PbF2 and BiF3BiF3, from 45 to 90 percent; and a dopant, from 2 to 20 percent, selected from the group of: the oxides of the rare earth elements neodymium (Nd), erbium (Er), ytterbium (Yb), thulium (Tm), terbium (Tb), holmium (Ho), praseodymium (Pr), samarium (Sm), europium (Eu); an oxide of manganese (Mn); and mixtures thereof. A fluorophosphate glass formed from a composition Claim 25 (currently amended): comprising on a mol basis: a metaphosphate, Ba(PO3)2Ba(PO3)2, approximately 10 percent; a metaphosphate, AI(PO3)3AI(PO3)3, approximately 18 percent;

a fluoride, BaF2BaF2 + RFx wherein RFx is selected from the group of CaF2CaF2,

MgF2MgF2, PbF2PbF2 and BiF3BiF3, Approximately 90 percent; and

a dopant, approximately 5 percent:

of the oxide of neodymium (Nd).

Claim 26 (currently amended):

A fluorophosphate glass formed from a composition

comprising on a mol basis:

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a metaphosphate, Ba(PO3)2Ba(PO3)2, approximately 10 percent;

a metaphosphate, Af(PO3)3AI(PO3)3, approximately 18 percent;

a fluoride, BaF2BaF + RFx wherein RFx is selected from the group of CaF2CaF2,

MgF2MgF2, PbF2PbF2 and BiF3BiF3, approximately 90 percent; and

a dopant, approximately 10 percent:

of the oxide of erbium (Er).

Claim 27 (withdrawn)

Claim 28 (withdrawn)

Claim 29 (withdrawn)